

SWP Weekly Water Quality Summary

April 14 to 21, 2010

Electrical Conductivity: Concentrations decreased at Harvey O. Banks Pumping Plant (HBP), Check 29, Barker Slough and Vallecitos from April 14 to 21, 2010. Concentrations ranged from 306 to 616 $\mu\text{S}/\text{cm}$ (184 to 370 mg/L), below the Article 19 Monthly Average Objective of 733 $\mu\text{S}/\text{cm}$ (440 mg/L .) As of April 21, 2010, the lowest concentration of 417 $\mu\text{S}/\text{cm}$ occurred at Check 41, while the highest concentration of 552 $\mu\text{S}/\text{cm}$ occurred at Vallecitos. EC concentration at HBP decreased from 600 $\mu\text{S}/\text{cm}$ to 516 $\mu\text{S}/\text{cm}$, as of April 21, 2010.

Bromide*: Concentrations exceeded the California Bay-Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.10 to 0.33 mg/L . As of April 21, Check 41 had the lowest concentration of 0.17 mg/L , while the highest concentration of 0.28 mg/L occurred at Vallecitos. The average daily bromide concentration at HBP was 0.25 mg/L as of April 21, 2010.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: This week turbidity levels decreased at HBP, Check 41, Barker Slough and Vallecitos, but increased at Check 29. Turbidity levels ranged from 4.7 to 36.1 NTU during the week. As of April 21, 2010, the lowest level of 2.1 NTU occurred at Vallecitos, while the highest level of 19.4 NTU occurred at Check 29. Turbidity levels at HBP decreased from 7.5 NTU to 4.7 NTU as of April 21, 2010.

Dissolved Organic Carbon (DOC): Concentrations decreased slightly from 4.5 to 3.6 mg/L at HBP, from 4.9 mg/L to 4.3 mg/L at Check 13 and from 3.4 to 2.8 mg/L at Edmonston PP, as of April 21, 2010.

Taste and Odor Compounds: As of March 12 to April 21, 2010, MIB and geosmin concentrations in the SWP remain low, ranging from non-detect to 18 ng/L at Clifton Court Inlet, HBP, O'Neill Forebay Outlet (Check 13), Lake Del Valle Check 7, Pacheco PP, Castaic Lake and Lake Perris.

Ground water pump-ins to the California Aqueduct from April 14 to 21, 2010 totaled 19,353 AF. The break down of the total volume was:

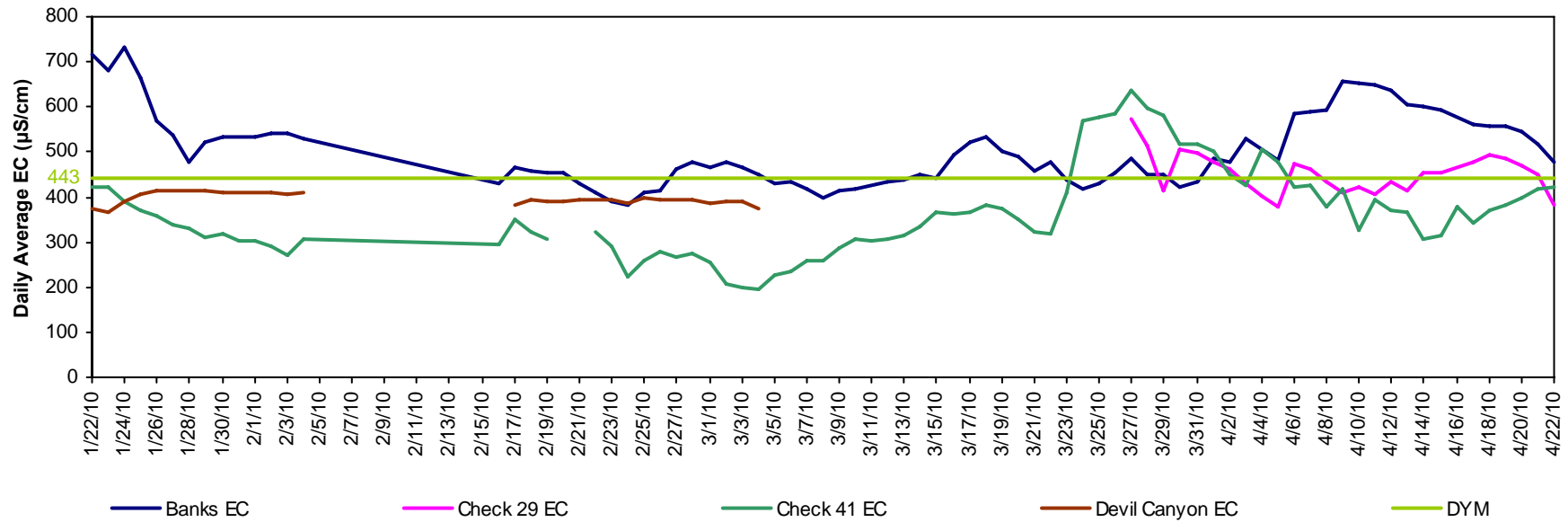
- Arvin Edison Water Storage District = 2,635 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 7,305 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 9,365 AF
- Semitropic (2&3) Water Storage District = 48 AF
- Wheeler Ridge Maricopa Water Storage District = 0 AF

As of April 21, 2010, no data were available for Devil Canyon due to malfunctioning instruments.

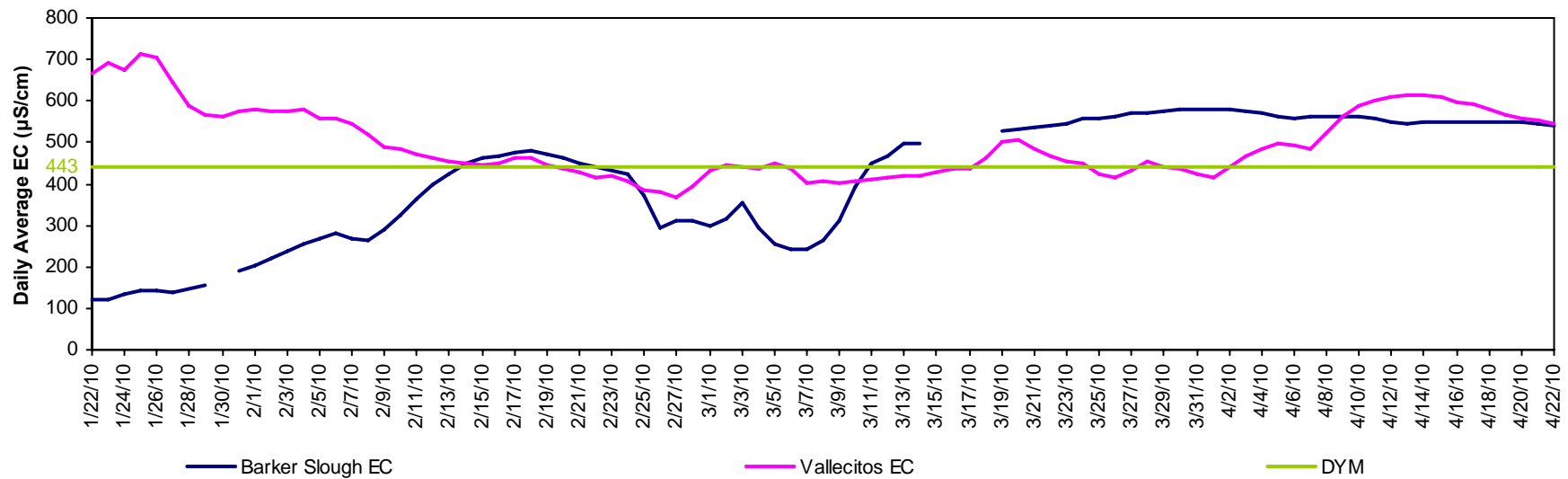
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

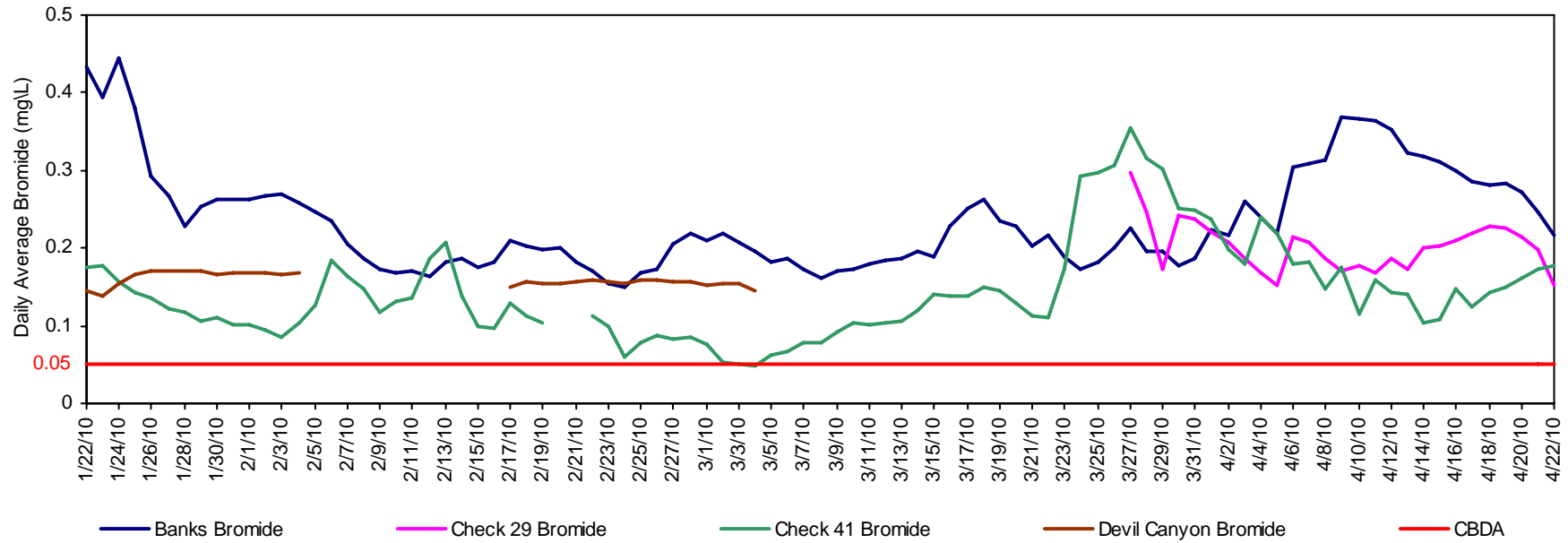
California Aqueduct - Electrical Conductivity



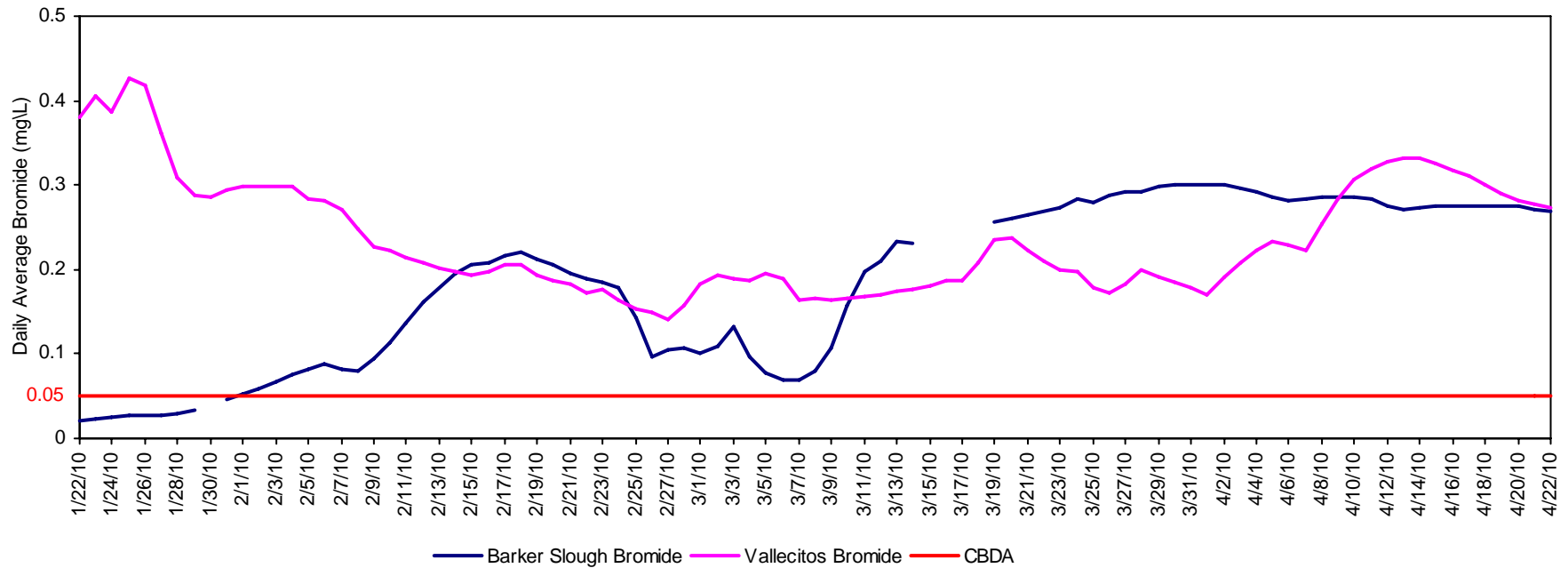
North and South Bay Aqueduct - Electrical Conductivity



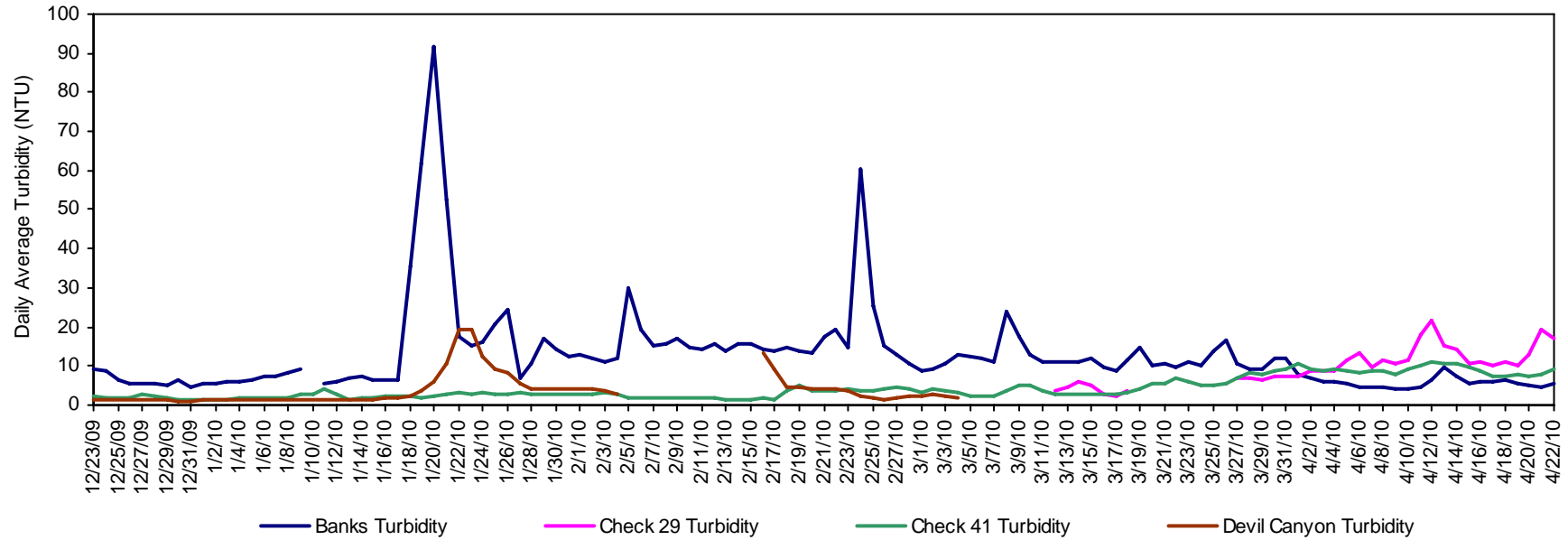
California Aqueduct - Calculated Bromide



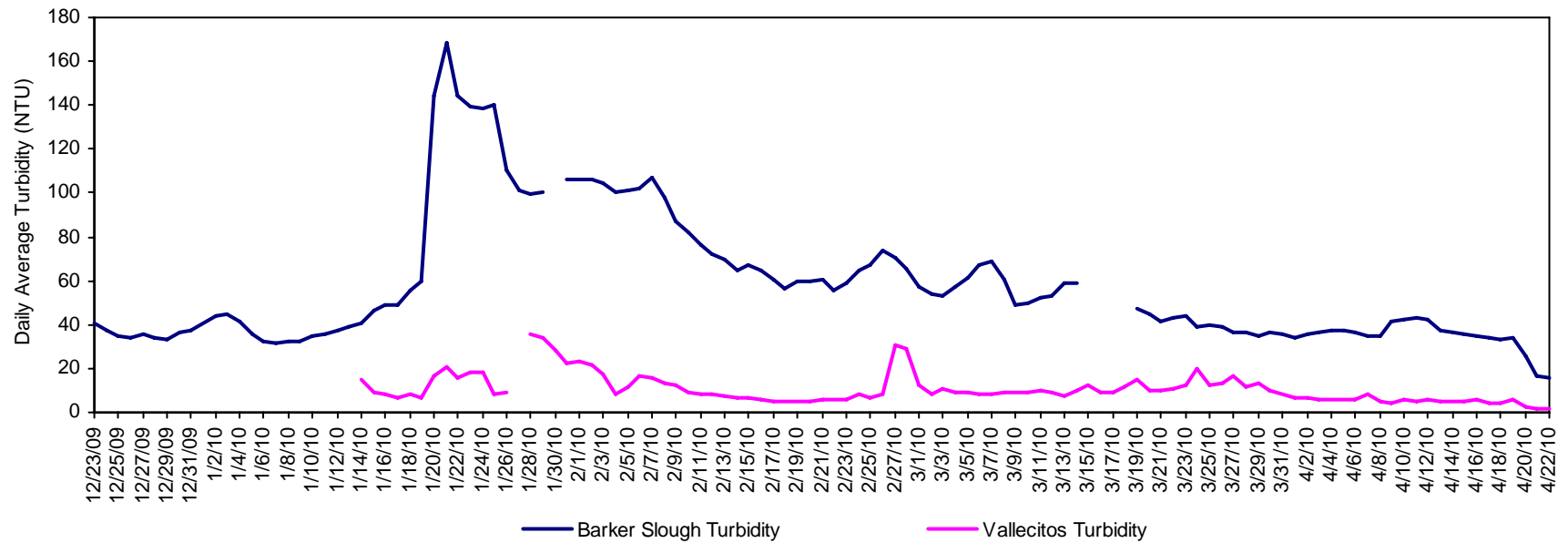
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon

